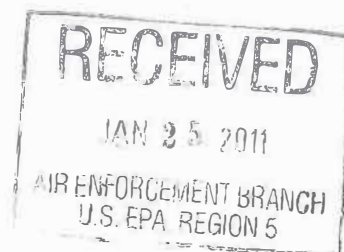




Document #: JPA-K1-SCR-DR-016

CERTIFIED MAIL
RETURN RECEIPT REQUESTED



January 21, 2011

Kushal Som
Environmental Engineer
Air Enforcement and Compliance Assurance Section (IL/IN)
U.S. Environmental Protection Agency, Region 5
77, West Jackson Boulevard
Chicago, IL 60604

Re: Lafarge- Joppa Kiln 1 SCR Design Report

Dear Mr. Som:

This letter responds to the correspondence received from you dated January 18, 2011 relating to:
1) fluctuations in inlet NOx and temperature to SCR; and 2) the replacement of catalyst.

1) Fluctuations in temperature and NOx concentrations at SCR inlet

To clarify our response on temperature fluctuation control in our correspondence dated December 20, 2010, the JPA K1 ESP inlet gas temperature has been controlled for years with an existing water spray system, located at the backend of the kiln. The same water spray system will continue to be used to control the SCR inlet temperature (see attached flowsheet) in the future. As requested, we attach the temperature data over a month period of ESP inlet and ESP exit temperatures. There are two thermocouples at the ESP inlet and one at the exit. The temperatures can be maintained within a range.

With regards to NOx fluctuations, we have not finalized a control strategy at this time, but we will provide the control necessary to comply with the emission limit established during the demonstration phase.

2) Catalyst life cycle and replacement

We will work with vendors and rely on their experience to maintain effective operation of the SCR catalyst in order to maintain required NOx limitations.

LAFARGE NORTH AMERICA INC. - DEC Americas
12725 Morris Road Ext, STE 300
ALPHARETTA, GA 30004
Main: (678) 746-2000 Fax: (678) 867-1450

We hope that the clarifications address your questions, and we look forward to a prompt approval of the design report.

Yours truly,

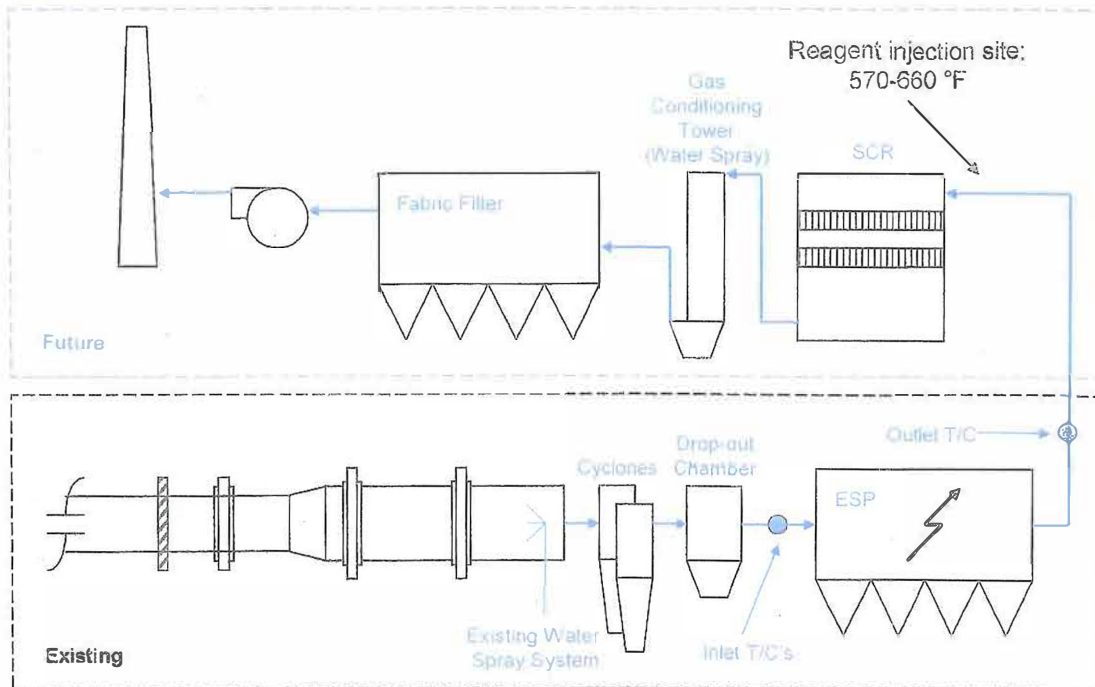
A handwritten signature in dark ink, appearing to read 'John Cheong', with a long horizontal stroke extending to the right.

John Cheong
VP EPA Projects

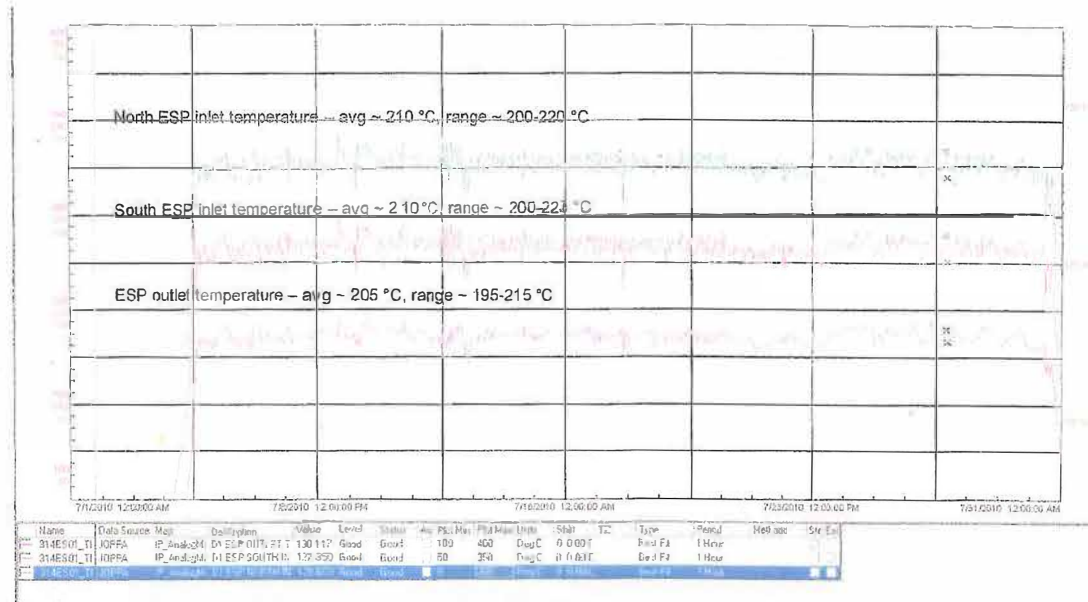
Attachments: Flowsheet
Temperature data


CC: Per Document Transmittal attached

SCR Schematic



SCR Inlet Temperature Control



		DOCUMENT TRANSMITTAL		12725 Morris Road Ext. 100 Deerfield Point, Ste 300 Alpharetta, GA, 30004	Tel: 678-746-2000 Fax: 678-867-1450
LAFARGE – U.S. EPA CONSENT DECREE				Date:	Jan 21, 2011
				Affected Plant:	Joppa, IL
Issued to: U.S. EPA MC 2242A 1200 Pennsylvania Ave. NW Washington, D.C. 20460				Attention: Phillip Brooks	
Distribution:					
Name:		Copies:	Department/Agency/Company:		Location:
Phillip Brooks		Hard copy	U.S. EPA		Washington, D.C.
George Czerniak		Hard copy	U.S. EPA Region V		Chicago, IL
Chief, Environmental Enforcement Section		Hard copy	U.S. DOJ		Washington, D.C.
Raymond Pilapil		Hard copy	Illinois Environmental Protection Agency		Springfield, IL
Peter L. Keeley		Hard copy	Lafarge North America Inc.		Reston, VA
K. Som		E-Mail	U.S. EPA Region V		Chicago, IL
Shaun Burke		E-Mail	U.S. EPA		Washington, D.C.
Apple Chapman		E-Mail	U.S. EPA		Washington, D.C.
Craig S. Campbell		E-Mail	Lafarge North America Inc.		Reston, VA
Steven C. Kohl		E-Mail	Warner, Norcross & Judd LLP		Southfield, MI
John Cheong		E-Mail	Lafarge North America Inc.		Alpharetta, GA
Jean-Francois Latimier		E-Mail	Lafarge North America Inc.		Alpharetta, GA
Project File		Hard copy	Lafarge North America Inc.		Alpharetta, GA

DOCUMENTS

DOCUMENT NO.

JPA-K1-SCR-DR-016

DOCUMENT NAME

Response to K. Som letter dated Jan 18, 2011

DOCUMENT DESCRIPTION

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